

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number  
**WO 2005/050974 A3**

(51) International Patent Classification:  
*H04N 7/173* (2006.01)

(21) International Application Number:  
PCT/US2004/038657

(22) International Filing Date:  
12 November 2004 (12.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/520,359 13 November 2003 (13.11.2003) US

(71) Applicant (for all designated States except US): NCUBE CORPORATION [US/US]; 1825 NW 167th Place, Beaverton, OR 97006 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): AABY, Cliff [US/US]; 1311 NE 152nd Avenue, Vancouver, WA (US). PARKER, Christian, J. [US/US]; 8605 SW 45th Drive, Portland, OR (US).

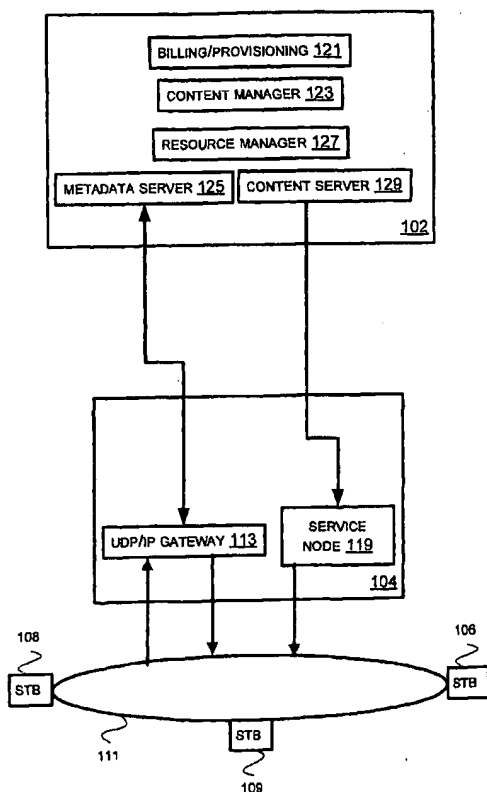
(74) Agents: SACHAR, Surinder et al.; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., 1940 Duke Street, Alexandria, VA 22314 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: SYSTEM TO PROVIDE SET TOP BOX CONFIGURATION FOR CONTENT ON DEMAND



(57) Abstract: A content on demand system (102) includes logic to compose set top box (STB) configuration information into an audio and/or vide stream format, and to communicate the configuration information to a plurality of set top boxes (STB, 106, 108, 109).



**Published:**

— *with international search report*

**(88) Date of publication of the international search report:**

21 December 2006

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/38657

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: H04N 7/173( 2006.01)

USPC: 725/87,97,109,112;709/217,218,219,223,224,230,231,238

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 725/87,97,109,112;709/217,218,219,223,224,230,231,238

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,513,069 B1 (ABATO et al) 28 January 2003 (28.01.2003), col.5, line 41-col.6, line 62;	1-17
---	col.7, line 3-col.8, line 60; col.14, line 30-col.15, line 21, line 48-col.17, line 13	-----
Y		18, 19
X	US 6,167,441 A (HIMMEL) 26 December 2000 (26.12.2000), col.3, line 8-col.4, line 34;	1-19
	col.6, line 28-col.7, line 53	
Y	US 6,035,339 A (AGRAHARAM et al) 07 March 2000 (07.03.200), col.2, line 26-col.4, line	18, 19
	14, line 44-col.5, line 17; col.6, line 14-col.7, line 26	

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

16 August 2006 (16.08.2006)

Date of mailing of the international search report

29 SEP 2006

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

Christopher S Kelley

Telephone No. 571-272-7355